

## SAN NICOLAS ISLAND SURFACE RADIATION-METEOROLOGY DATA

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The following is a summary of the surface data collected by CSU on San Nicolas Island during the FIRE experiment from 30 June (Julian Day 181) through 19 July (Julian Day 200). The data are available in two formats; hard copy graphs, and processed data on floppy disk.

Table 1. Instrumentation Specifications

Instrument	Serial Number	Dome Type	Measurement Region
Pyranometer	21568F3	WG7	.3 to 2.8 $\mu\text{m}$
Pyranometer	21570F3	RG8	.7 to 2.8 $\mu\text{m}$
Pygeometer	25690F3	silicon	4 to 50 $\mu\text{m}$
Dome Thermistor			-10 C to +50 C
Sink Thermistor			-10 C to +50 C
Air Temperature			-33 C to +48 C
Relative Humidity			12% to 100%
Wind Speed			0 to 60 Meters/sec
Wind Direction			0 to 356 Deg

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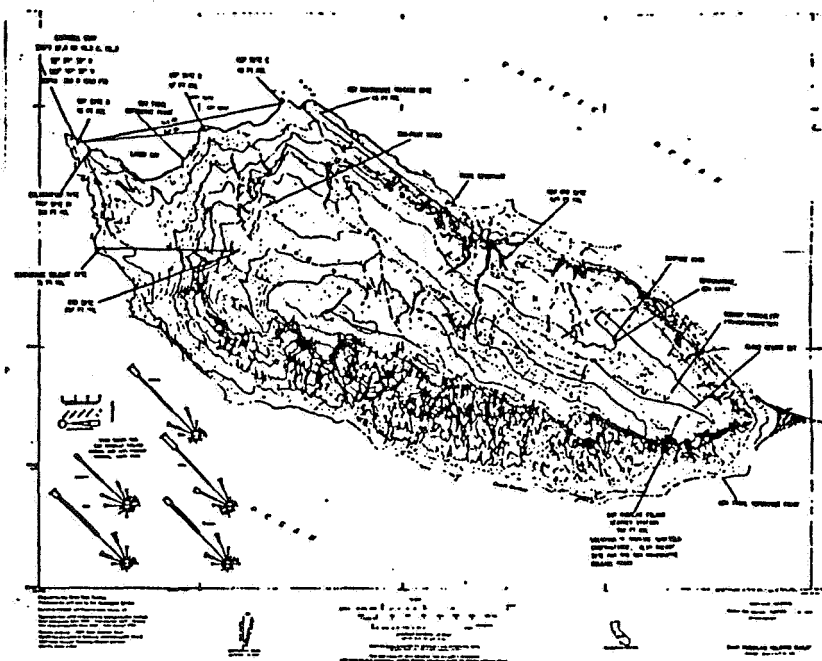


Figure 1: Map of San Nicolas Island, California. The island is approximately 16 km long and 5 km wide. The radiation/meteorological station was deployed at the calibration site (DSP site D) on the west side of Laser Bay. The station was 38 meters above sea level on a ridge approximately 400 meters South East of the Penn State surface instrumentation.

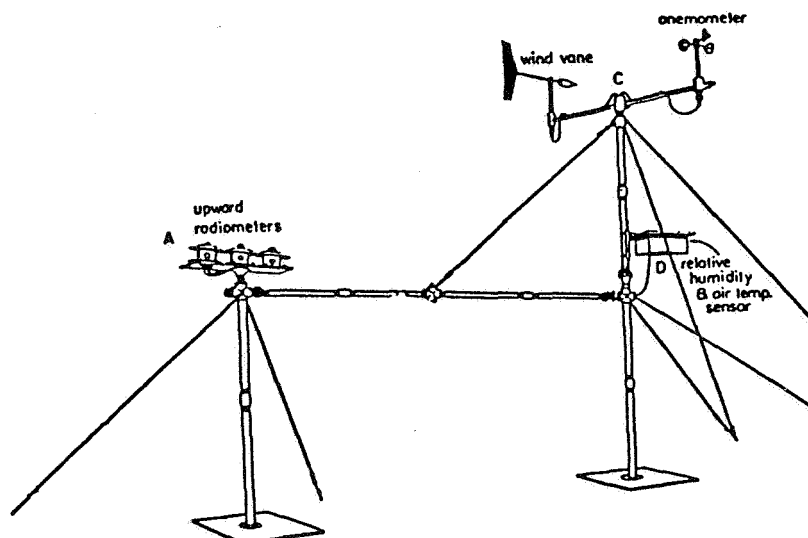
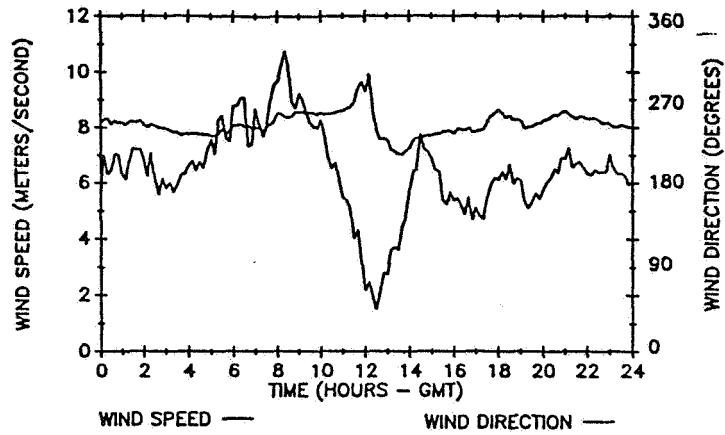


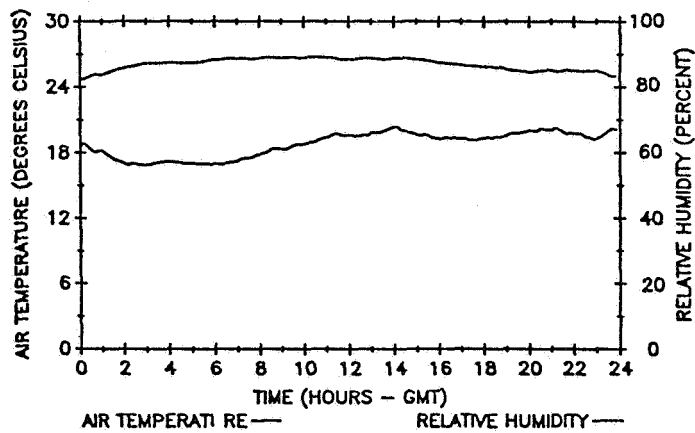
Figure 2: Schematic Diagram of Radiation/Meteorological station used on San Nicolas Island.

# FOUR DAY DATA SAMPLE

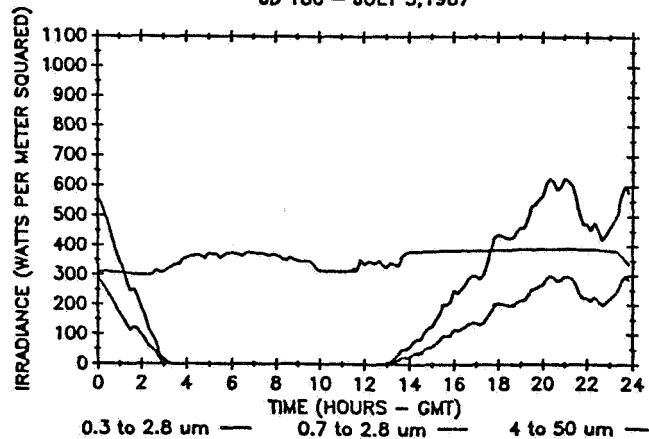
FIRE - SNI - SURFACE WIND DATA  
JD 186 - JULY 5, 1987



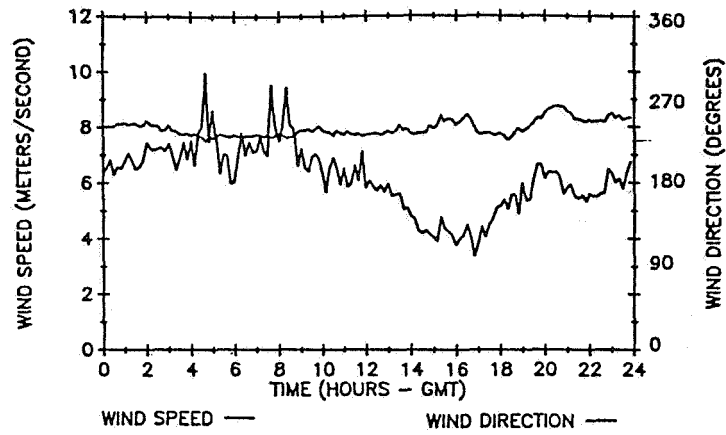
FIRE - SNI - AIR TEMP & RELATIVE HUMIDITY  
JD 186 - JULY 5, 1987



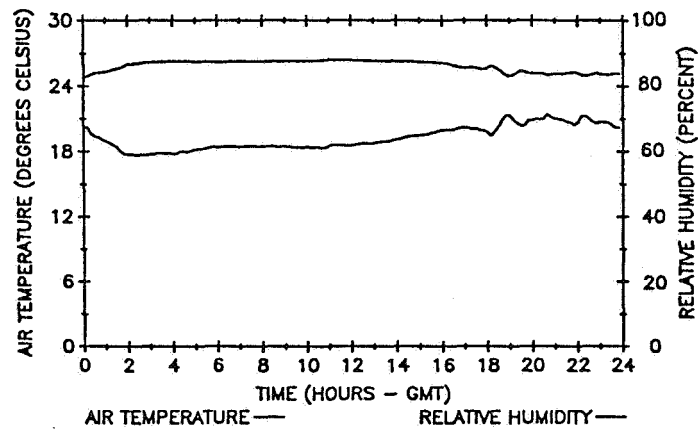
FIRE - SNI - DOWNWELLING SURFACE RADIATION  
JD 186 - JULY 5, 1987



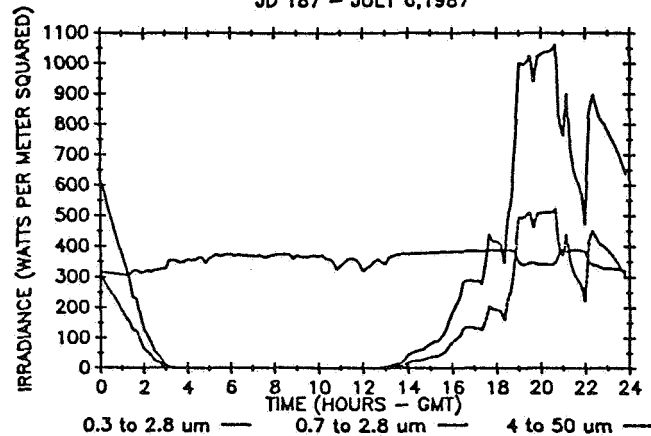
FIRE - SNI - SURFACE WIND DATA  
JD 187 - JULY 6, 1987



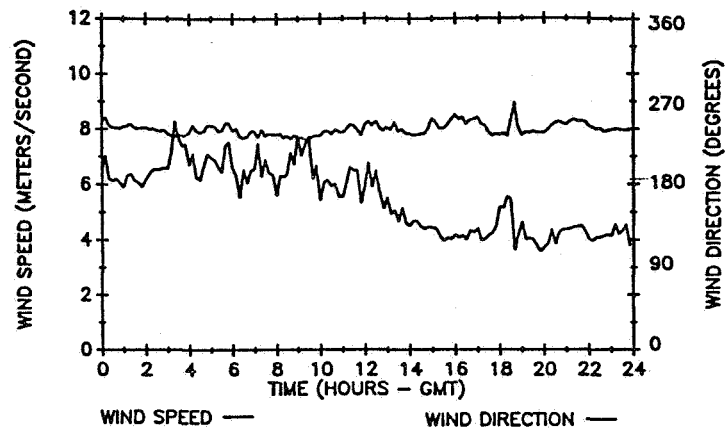
FIRE - SNI - AIR TEMP & RELATIVE HUMIDITY  
JD 187 - JULY 6, 1987



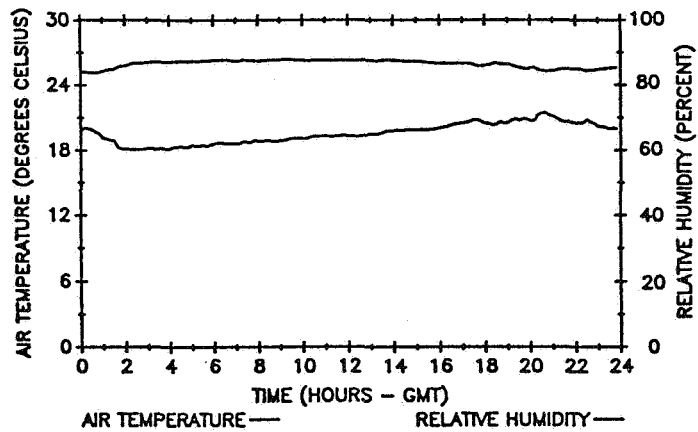
FIRE - SNI - DOWNWELLING SURFACE RADIATION  
JD 187 - JULY 6, 1987



FIRE - SNI - SURFACE WIND DATA  
JD 188 - JULY 7, 1987



FIRE - SNI - AIR TEMP & RELATIVE HUMIDITY  
JD 188 - JULY 7, 1987



FIRE - SNI - DOWNWELLING SURFACE RADIATION  
JD 188 - JULY 7, 1987

